Gary S Firestein

List of Publications by Year in Descending Order

85 papers	10,010 citations	41 h-index	95 g-index
95 ext. papers	12,026 ext. citations	9.3 avg, IF	6.91 L-index

#	Paper	IF	Citations
85	A framework and road map for rapid start-up and completion of a COVID-19 vaccine trial: A single clinical trial site experience.. *Journal of Clinical and Translational Science*, **2022**, 6, e21	0.4	
84	Crosstalk between CD4 T cells and synovial fibroblasts from human arthritic joints promotes hyaluronan-dependent leukocyte adhesion and inflammatory cytokine expression in vitro.. *Matrix Biology Plus*, **2022**, 14, 100110	5.1	0
83	Persistent Joint Pain Following Arthropod Virus Infections. *Current Rheumatology Reports*, **2021**, 23, 26	4.9	1
82	Lasp1 regulates adherens junction dynamics and fibroblast transformation in destructive arthritis. *Nature Communications*, **2021**, 12, 3624	17.4	3
81	Distinct DNA Methylation Patterns of Rheumatoid Arthritis Peripheral Blood and Synovial Tissue T Cells. *ACR Open Rheumatology*, **2021**, 3, 127-132	3.5	2
80	IgG Epitopes Processed and Presented by IgG B Cells Induce Suppression by Human Thymic-Derived Regulatory T Cells. *Journal of Immunology*, **2021**, 206, 1194-1203	5.3	0
79	Tender and swollen joint counts are poorly associated with disability in chikungunya arthritis compared to rheumatoid arthritis. *Scientific Reports*, **2021**, 11, 18578	4.9	0
78	Restoring synovial homeostasis in rheumatoid arthritis by targeting fibroblast-like synoviocytes. *Nature Reviews Rheumatology*, **2020**, 16, 316-333	8.1	130
77	Persistent chikungunya arthritis in Roraima, Brazil. *Clinical Rheumatology*, **2020**, 39, 2781-2787	3.9	2
76	Synoviocyte-targeted therapy synergizes with TNF inhibition in arthritis reversal. *Science Advances*, **2020**, 6, eaba4353	14.3	16
75	Chronic Joint Pain 3 Years after Chikungunya Virus Infection Largely Characterized by Relapsing-remitting Symptoms. *Journal of Rheumatology*, **2020**, 47, 1267-1274	4.1	22
74	Defining inflammatory cell states in rheumatoid arthritis joint synovial tissues by integrating single-cell transcriptomics and mass cytometry. *Nature Immunology*, **2019**, 20, 928-942	19.1	369
73	PTPN14 phosphatase and YAP promote TGF signalling in rheumatoid synoviocytes. *Annals of the Rheumatic Diseases*, **2019**, 78, 600-609	2.4	18
72	Toreforant, an orally active histamine H-receptor antagonist, in patients with active rheumatoid arthritis despite methotrexate: mechanism of action results from a phase 2, multicenter, randomized, double-blind, placebo-controlled synovial biopsy study. *Inflammation Research*, **2019**, 68, 261-274	7.2	4
71	Joint Location-Specific JAK-STAT Signaling in Rheumatoid Arthritis Fibroblast-like Synoviocytes. *ACR Open Rheumatology*, **2019**, 1, 640-648	3.5	10
70	Regulation and function of apoptosis signal-regulating kinase 1 in rheumatoid arthritis. *Biochemical Pharmacology*, **2018**, 151, 282-290	6	15
69	Rheumatoid arthritis. *Nature Reviews Disease Primers*, **2018**, 4, 18001	51.1	750

68	Chikungunya Arthritis Mechanisms in the Americas: A Cross-Sectional Analysis of Chikungunya Arthritis Patients Twenty-Two Months After Infection Demonstrating No Detectable Viral Persistence in Synovial Fluid. *Arthritis and Rheumatology*, **2018**, 70, 585-593	9.5	48
67	Frequency of Chronic Joint Pain Following Chikungunya Virus Infection: A Colombian Cohort Study. *Arthritis and Rheumatology*, **2018**, 70, 578-584	9.5	43
66	Hexokinase 2 as a novel selective metabolic target for rheumatoid arthritis. *Annals of the Rheumatic Diseases*, **2018**, 77, 1636-1643	2.4	57
65	Methods for high-dimensional analysis of cells dissociated from cryopreserved synovial tissue. *Arthritis Research and Therapy*, **2018**, 20, 139	5.7	60
64	PATHOGENESIS OF RHEUMATOID ARTHRITIS: THE INTERSECTION OF GENETICS AND EPIGENETICS. *Transactions of the American Clinical and Climatological Association*, **2018**, 129, 171-182	0.9	11
63	Epigenetics of inflammatory arthritis. *Current Opinion in Rheumatology*, **2018**, 30, 188-196	5.3	37
62	The Cytokine Profile in Acute Chikungunya Infection is Predictive of Chronic Arthritis 20 Months Post Infection. *Diseases (Basel, Switzerland)*, **2018**, 6,	4.4	11
61	Comprehensive epigenetic landscape of rheumatoid arthritis fibroblast-like synoviocytes. *Nature Communications*, **2018**, 9, 1921	17.4	74
60	Distinct ON/OFF fluorescence signals from dual-responsive activatable nanoprobes allows detection of inflammation with improved contrast. *Biomaterials*, **2017**, 133, 119-131	15.6	24
59	Epigenetic alterations in rheumatoid arthritis fibroblast-like synoviocytes. *Epigenomics*, **2017**, 9, 479-492	4.4	44
58	Histamine and Histamine H4 Receptor Promotes Osteoclastogenesis in Rheumatoid Arthritis. *Scientific Reports*, **2017**, 7, 1197	4.9	18
57	Synovium **2017**, 20-33		3
56	PUMA gene delivery to synoviocytes reduces inflammation and degeneration of arthritic joints. *Nature Communications*, **2017**, 8, 146	17.4	18
55	Regulation of the Cell Cycle and Inflammatory Arthritis by the Transcription Cofactor Gene. *Journal of Immunology*, **2017**, 199, 2316-2322	5.3	18
54	Rheumatoid Arthritis Naive T Cells Share Hypermethylation Sites With Synoviocytes. *Arthritis and Rheumatology*, **2017**, 69, 550-559	9.5	32
53	A multisite study of performance drivers among institutional review boards. *Journal of Clinical and Translational Science*, **2017**, 1, 192-197	0.4	9
52	TGF□responsive tyrosine phosphatase promotes rheumatoid synovial fibroblast invasiveness. *Annals of the Rheumatic Diseases*, **2016**, 75, 295-302	2.4	24
51	Receptor Protein Tyrosine Phosphatase □Mediated Enhancement of Rheumatoid Synovial Fibroblast Signaling and Promotion of Arthritis in Mice. *Arthritis and Rheumatology*, **2016**, 68, 359-69	9.5	14

50	LBH Gene Transcription Regulation by the Interplay of an Enhancer Risk Allele and DNA Methylation in Rheumatoid Arthritis. *Arthritis and Rheumatology*, **2016**, 68, 2637-2645	9.5	31
49	Computationally expanding infinium HumanMethylation450 BeadChip array data to reveal distinct DNA methylation patterns of rheumatoid arthritis. *Bioinformatics*, **2016**, 32, 1773-8	7.2	12
48	Abnormal enhancer methylation promotes rheumatoid arthritis fibroblast-like synoviocyte aggressiveness and joint inflammation. *JCI Insight*, **2016**, 1,	9.9	29
47	Joint-specific DNA methylation and transcriptome signatures in rheumatoid arthritis identify distinct pathogenic processes. *Nature Communications*, **2016**, 7, 11849	17.4	87
46	Metabolomics in rheumatic diseases: desperately seeking biomarkers. *Nature Reviews Rheumatology*, **2016**, 12, 269-81	8.1	95
45	The Rheumatoid Arthritis Risk Gene LBH Regulates Growth in Fibroblast-like Synoviocytes. *Arthritis and Rheumatology*, **2015**, 67, 1193-202	9.5	39
44	DNA Methylome Signature in Synoviocytes From Patients With Early Rheumatoid Arthritis Compared to Synoviocytes From Patients With Longstanding Rheumatoid Arthritis. *Arthritis and Rheumatology*, **2015**, 67, 1978-80	9.5	59
43	Integrative omics analysis of rheumatoid arthritis identifies non-obvious therapeutic targets. *PLoS ONE*, **2015**, 10, e0124254	3.7	41
42	Targeting phosphatase-dependent proteoglycan switch for rheumatoid arthritis therapy. *Science Translational Medicine*, **2015**, 7, 288ra76	17.5	30
41	Anti-Inflammatory Effects and Joint Protection in Collagen-Induced Arthritis after Treatment with IQ-1S, a Selective c-Jun N-Terminal Kinase Inhibitor. *Journal of Pharmacology and Experimental Therapeutics*, **2015**, 353, 505-16	4.7	36
40	Differential regulation of anti-inflammatory genes by p38 MAP kinase and MAP kinase kinase 6. *Journal of Inflammation*, **2014**, 11, 14	6.7	8
39	Phosphoinositide 3-kinase regulates migration and invasion of synoviocytes in rheumatoid arthritis. *Journal of Immunology*, **2014**, 192, 2063-70	5.3	46
38	An imprinted rheumatoid arthritis methylome signature reflects pathogenic phenotype. *Genome Medicine*, **2013**, 5, 40	14.4	83
37	Regulation of DNA methylation in rheumatoid arthritis synoviocytes. *Journal of Immunology*, **2013**, 190, 1297-303	5.3	98
36	Duality of fibroblast-like synoviocytes in RA: passive responders and imprinted aggressors. *Nature Reviews Rheumatology*, **2013**, 9, 24-33	8.1	525
35	Protein tyrosine phosphatase expression profile of rheumatoid arthritis fibroblast-like synoviocytes: a novel role of SH2 domain-containing phosphatase 2 as a modulator of invasion and survival. *Arthritis and Rheumatism*, **2013**, 65, 1171-80		39
34	DNA methylome signature in rheumatoid arthritis. *Annals of the Rheumatic Diseases*, **2013**, 72, 110-7	2.4	241
33	Clinical features of patients with anti-neutrophil cytoplasmic autoantibodies targeting native myeloperoxidase antigen. *Modern Rheumatology*, **2013**, 23, 963-971	3.3	0

32	Pre-rheumatoid arthritis: predisposition and transition to clinical synovitis. *Nature Reviews Rheumatology*, **2012**, 8, 573-86	8.1	125
31	PI3 kinase is a key regulator of synoviocyte function in rheumatoid arthritis. *American Journal of Pathology*, **2012**, 180, 1906-16	5.8	82
30	Antiinflammatory functions of p38 in mouse models of rheumatoid arthritis: advantages of targeting upstream kinases MKK-3 or MKK-6. *Arthritis and Rheumatism*, **2012**, 64, 2887-95		59
29	The JAK inhibitor CP-690,550 (tofacitinib) inhibits TNF-induced chemokine expression in fibroblast-like synoviocytes: autocrine role of type I interferon. *Annals of the Rheumatic Diseases*, **2012**, 71, 440-7	2.4	103
28	Fibroblast-like synoviocytes: key effector cells in rheumatoid arthritis. *Immunological Reviews*, **2010** , 233, 233-55	11.3	1131
27	Interactive cytokine regulation of synoviocyte lubricant secretion. *Tissue Engineering - Part A*, **2010**, 16, 1329-37	3.9	27
26	Role of MAPK kinase 6 in arthritis: distinct mechanism of action in inflammation and cytokine expression. *Journal of Immunology*, **2009**, 183, 1360-7	5.3	34
25	Biomedicine. Every joint has a silver lining. *Science*, **2007**, 315, 952-3	33.3	11
24	Acquisition, culture, and phenotyping of synovial fibroblasts. *Methods in Molecular Medicine*, **2007**, 135, 365-75		73
23	PUMA regulation and proapoptotic effects in fibroblast-like synoviocytes. *Arthritis and Rheumatism*, **2006**, 54, 587-92		51
22	Inhibiting inflammation in rheumatoid arthritis. *New England Journal of Medicine*, **2006**, 354, 80-2	59.2	48
21	Pathogenesis of rheumatoid arthritis: how early is early?. *Arthritis Research and Therapy*, **2005**, 7, 157-9	5.7	24
20	p53 tumor suppressor gene mutations in fibroblast-like synoviocytes from erosion synovium and non-erosion synovium in rheumatoid arthritis. *Arthritis Research and Therapy*, **2005**, 7, R12-8	5.7	39
19	Common mechanisms in immune-mediated inflammatory disease. *Journal of rheumatology Supplement, The*, **2005**, 73, 8-13; discussion 29-30		13
18	The T cell cometh: interplay between adaptive immunity and cytokine networks in rheumatoid arthritis. *Journal of Clinical Investigation*, **2004**, 114, 471-4	15.9	67
17	Evolving concepts of rheumatoid arthritis. *Nature*, **2003**, 423, 356-61	50.4	2588
16	IL-6 and matrix metalloproteinase-1 are regulated by the cyclin-dependent kinase inhibitor p21 in synovial fibroblasts. *Journal of Immunology*, **2003**, 170, 838-45	5.3	82
15	How important are T cells in chronic rheumatoid synovitis?: II. T cell-independent mechanisms from beginning to end. *Arthritis and Rheumatism*, **2002**, 46, 298-308		172

14	Suppressed DNA Repair Mechanisms in Rheumatoid Arthritis. *Immune Network*, **2002**, 2, 208	6.1	
13	Invasiveness of synovial fibroblasts is regulated by p53 in the SCID mouse in vivo model of cartilage invasion. *Arthritis and Rheumatism*, **2001**, 44, 676-81		96
12	Fibroblast-like synoviocytes support B-cell pseudoemperipolesis via a stromal cell-derived factor-1- and CD106 (VCAM-1)-dependent mechanism. *Journal of Clinical Investigation*, **2001**, 107, 305-15	15.9	136
11	Modulation of fibroblast-mediated cartilage degradation by articular chondrocytes in rheumatoid arthritis. *Arthritis and Rheumatism*, **2000**, 43, 2531-6		54
10	Rheumatoid arthritis and p53: how oxidative stress might alter the course of inflammatory diseases. *Trends in Immunology*, **2000**, 21, 78-82		220
9	Signal transduction and transcription factors in rheumatic disease. *Arthritis and Rheumatism*, **1999**, 42, 609-21		173
8	p53 overexpression in synovial tissue from patients with early and longstanding rheumatoid arthritis compared with patients with reactive arthritis and osteoarthritis. *Arthritis and Rheumatism*, **1999**, 42, 948-53		79
7	Dominant-negative p53 mutations in rheumatoid arthritis. *Arthritis and Rheumatism*, **1999**, 42, 1088-92		72
6	Prostaglandins increase proMMP-1 and proMMP-3 secretion by human ciliary smooth muscle cells. *Current Eye Research*, **1996**, 15, 869-75	2.9	125
5	Anti-inflammatory effects of adenosine kinase inhibitors in acute and chronic inflammation. *Drug Development Research*, **1996**, 39, 371-376	5.1	34
4	Invasive fibroblast-like synoviocytes in rheumatoid arthritis. Passive responders or transformed aggressors?. *Arthritis and Rheumatism*, **1996**, 39, 1781-90		510
3	Mechanisms of methotrexate action in rheumatoid arthritis. Selective decrease in synovial collagenase gene expression. *Arthritis and Rheumatism*, **1994**, 37, 193-200		83
2	Gene expression (collagenase, tissue inhibitor of metalloproteinases, complement, and HLA-DR) in rheumatoid arthritis and osteoarthritis synovium. Quantitative analysis and effect of intraarticular corticosteroids. *Arthritis and Rheumatism*, **1991**, 34, 1094-105		229
1	Apoptosis in Rheumatoid Arthritis169-186		